

ABSTRACT OF DISCLOSURE

Magnetic films comprising iridium, manganese and nitrogen (IrMnN) are disclosed. Multi-layer structures including ferromagnetic layers deposited on the IrMnN films are also disclosed. The IrMnN films have a (200) texture and may act as seed layers and/or exchange
5 biasing layers for the ferromagnetic layers deposited thereon. The multi-layer structures are useful in applications such as read sensors for magnetic recording heads and soft magnetic underlayers for perpendicular magnetic recording media.

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